BRUHAT BENGALURU MAHANAGARA PALIKE

Name Of Works : Construction of basketball court and Alide park developments in sharadamda nagara in ward no 16

Modified Schedule B

Sl No	Description of Items	Unit	Qty	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (P-6, I. No 2.3)	Cum	275.00	380.00	104500.00
2	KSRB 2-2.1 :Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.as per specifications. 2.3 KSRB 2-2.1: - do - in ordinary soil. No. KBS 2.1(a) / 2.3.5 (Page - 5/ Item no.2.3)	Cum	153.36	436.00	66864.96
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 13/I.No. 4.2 (2018-19)	Cum	24.77	5781.00	143183.81
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.No. 25	Cum	38.59	5115.00	197398.08
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chisele dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.No. 25	Cum	14.47	6103.00	88322.62
6	KSRB 4-1.6 :Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications. Specification No. KBS 4.1, 4.2 P.No. 13	Cum	3.78	6035.00	22812.30
EX-1	KSRB 5.14.1 : Providing and constructing load bearing wall with concrete solid blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part I) 2005 and constructed with CM 1:4, as per IS 2572 2005 including cost of all materials labour charges, Scaffolding, Curing, hire charges of machineries etc., complete as per specification KBS No.5.4 -do with solid concrete blocks of size 400*150*200 mm (P. 27/5.27.2) PWD SR 2018-19	Sqm	177.00	1053.92	186543.98
EX-2	KSRB15-3.9 Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (page no-119 item no-15.17)	Sqm	336.00	275.86	92687.35
EX-3	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBB 4.6.2 4.31 pg 76	Sqm	118.08	395.91	46749.33

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Modified Schedule B

Sl No	Description of Items	Unit	Qty	Rate	Amount
4	KSRB 4.6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBB 4.6.2.4.32 pg 16	Sqm	113.40	504.29	57186.43
EX-6	KSRRB 300-3. Earthwork excavation by manual means in hard soil involving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 143/ Item No. 19.2/ PWD SR 2018-19	Cum	36.00	197.96	7126.41
EX-7	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. do- Wall & bottom thickness 15cm (P-270/37.59.2) PWD SR 2018-19	Cum	15.75	7744.40	121974.37
EX-8	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.90 x 0.60 x 0.10) (Approved Data rate)	Sqm	36.00	2337.00	84132.00
EX-9	KSRRB M300-4.Maintenance of lawns or Turfing of slopes (rough grassing) Sqm for a period of one year including watering etc complete as per specifications.	Sqm	13.50	113.91	1537.75
7	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of [illegible]	Sqm	133.20	157.00	20912.40
11	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. (Page No-45) I.No7.37	Sqm	3.60	3352.00	12067.20
EX-10	Fabrication supplying and erecting M.S. tubular trusses of all spans as Kg per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification Page No. 43 I.No. 7.29	kg	21663.31	122.75	2659272.64
12	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications. .KPWD S.R 2018-19 Page No. 266 I.No. 37.3	Sqm	530.40	796.00	422198.40

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Modified Schedule B					
Sl No	Description of Items	Unit	Qty	Rate	Amount
13	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301(pg no-143,S.Lno-19.14)KPWD S.R 2018-19	Cum	218.40	88.00	19219.20
14	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (pg no- 153,S.Lno-20.5)KPWD S.R 2018-19	Cum	162.00	2080.00	336960.00
15	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5-do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. (P.No.174, I.No. 22.1.2 of PWD SR 2018-19)	Cum	82.20	4071.00	334636.20
16	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications.do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. (P.No.175, I.No. 22.6.1 of PWD SR 2018-19)	Cum	118.88	5405.00	642519.38
	Above 125%	Cum	32.98	5878.27	193847.79
17	Basket ball marking with white paint in machine as per the drawing	sqm	4.00	50000.00	200000.00
18	Basket ball net and board with M S pole firmly fixed with concrete	Sqm	2.00	125000.00	250000.00
19	KSRRB M2300-9.2. Furnishing and Placing Reinforced / Prestressed cement concrete in super-structure as per drawing and Technical Specification M-40 grade complete as per specifications. E. PSC Grade M-40, Case - I : Using Concrete Mixer MORTH Specification No. 1500,1600 & 1700, Height up to 5 m (P-236, I.No.29.20.1)	Cum	5.57	7856.00	43718.64
20	KSRRB M2300-14. Supplying, fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications MORTH Specification No. 1600, TMT bars Fe 500 (Page No. 230, Item	tonne	0.43	77544.00	32956.20
	Above 125%		6.76	77196.10	521711.34
EX-11	Fabricating,providing and erecting in position of MS Hot Dip Galvanized Sq.Hallow Poles of 132 x 132 Heavy gauge of length 3000mm with MS.Hot dip galvanized grill work as per approved design and drawing of chief architect.using 12x75mm galvanized flat for(DATA RATE APPROVED)	Sqm	20.25	9144.14	185168.84
EX-12	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.(Page No.32, Item No.5.48) 2019-20 Electrical SR	Each	1.00	4204.50	4204.50

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Modified Schedule B

Sl No	Description of Items	Unit	Qty	Rate	Amount
EX-13	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.(Page No.26, Item No.5.13.4)	Each	1.00	7511.76	7511.76
EX-14	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(Page No.27, Item No.5.17.9)	Each	1.00	2500.79	2500.79
EX-15	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.(Page No.5, Item No.2.3.2)1)1.5 sqmm	mtr	40.00	21.39	855.51
EX-16	16 sqmm	mtr	45.00	196.14	8826.32
EX-17	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint 1) 40x40x6 (Page No.30, Item No.5.41.1)	Rmtr	20.00	266.04	5320.83
EX-18	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part 1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-397 4 core 16 sqm (pag. No.40, Item No.6.4.4)	mtr	80.00	156.50	12519.60
EX-19	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. 6 sqmm to 16 sqmm (item No.6.5.1 Page No.41)	mtr	80.00	12.39	991.55
EX-20	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 16 sqmm (Item No.6.17.6, Pag No.43)	Each	10.00	12.98	129.79
EX-21	Supplying and Fixing.....mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed for fixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole, using suitable clamps, bolts, nuts and wiring using suitable capacity wires. Using 32mm dia G I Pipe (Item No.14.2.2 (pag No.79)	Each	46.00	1097.55	50487.37
EX-22	Supply of....Bay integral induction luminary fittings Die cast aluminium base with suitable prewired electronic control gear to operate on 170 to 250V 50Hz AC Supply And Suitable Wattage induction lamp. The fitting should have fitted with toughened transparent glass botttom etc. completly the body of the fitting shall be finished with black/grey powder coated paint with enclosure conforming to IP54 Specifications 150(Item No.4.26.2 Pg No.24)	Each	16.00	28012.61	448201.68
EX-23	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.(Item No,15.104, Pg No 127)	Sqm	159.00	199.06	31650.80

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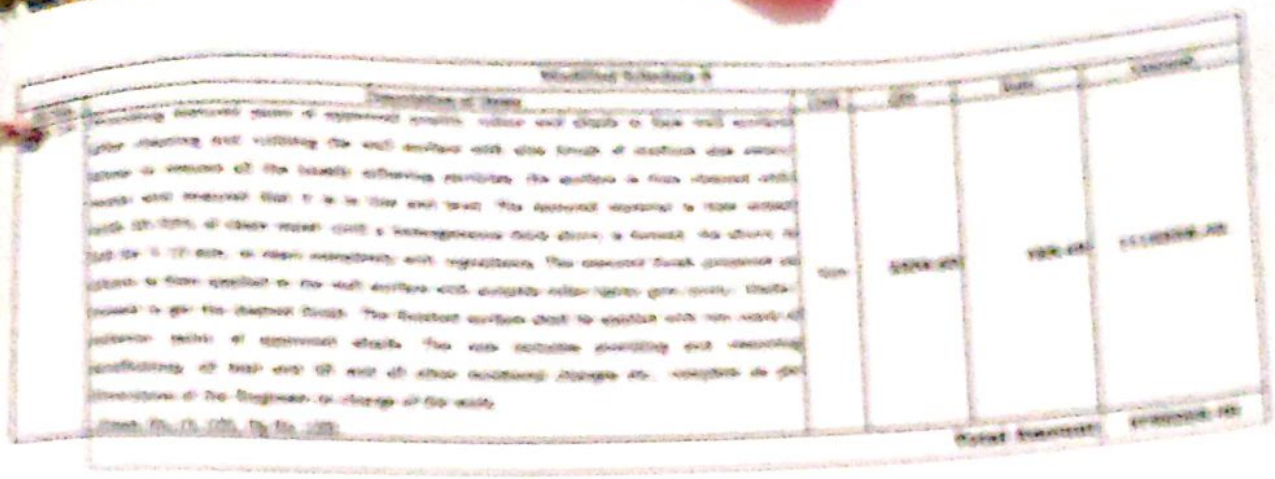

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